

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#1641  
Ray for Pears  
1-14-04

Applicants: Adams et al.  
Serial No: 09/302,859  
Filed: April 30, 1999  
For: FILTER SYSTEM WITH REDUCED  
SWITCH THERMAL NOISE AND A  $\Sigma\Delta$   
MODULATOR USING SUCH A FILTER

Confirm No: 7551  
Group: 2634  
Examiner: Kim, Kevin  
Docket No.: AD-200J

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Technology Center 2600

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 19, 2003.

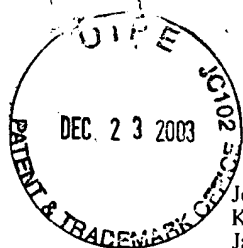
Wynne D. Janis  
Wynne D. Janis

RESPONSE

Dear Sir:

In Response to the Office Action mailed September 30, 2003, please consider the following remarks:

Remarks begin on page 2, *infra*.



# IANDIORIO & TESKA

INTELLECTUAL PROPERTY LAW ATTORNEYS

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P.O. Box 1450  
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SUBJECT: Applicants: Adams et al.  
Serial No: 09/302,859  
Filed: April 30, 1999  
For: FILTER SYSTEM WITH REDUCED SWITCH  
THERMAL NOISE AND A  $\Sigma\Delta$  MODULATOR  
USING SUCH A FILTER  
Examiner: Kim, Kevin  
Group: 2634  
Confirm. No.: 7551  
Docket No: AD-200J

Dear Sir:

Enclosed is a RESPONSE in reply to the Office Action mailed September 30, 2003 in the subject Application.

If for any reason this RESPONSE is found to be INCOMPLETE, or if at any time it appears that a TELEPHONE CONFERENCE with counsel would help advance prosecution, please telephone the undersigned, or his associates, collect in Waltham, Massachusetts, at (781) 890-5678.

If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account No. 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

In addition, pursuant to Rule 1.136(a)(3), the Office is hereby authorized to treat any future reply requiring an extension of time as incorporating a request therefor. Also, any request or Petition for an Extension of Time notwithstanding an inadvertent reference in the Petition to a shorter period of time is to be treated as requesting the appropriate length of time.

Commissioner for Patents  
December 19, 2003  
Page 2

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,



David W. Poirier  
Reg. No. 43,007

DWP:wj  
Enclosures

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December 19, 2003.

  
Wynne D. Janis